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TITLE: TRANSFER DATA DECIDING CIRCUIT
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NAME COUNTRY
NEC CORP N/A

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ABSTRACT:

PURPOSE: To detect the occurrence of an error caused by the fault of a data transfer path before data are fetched on a signal receiving side by adding decision data to a transmission data signal to be outputted on a signal transmitting side and detecting the decision data on the signal receiving side before the reception data signal is fetched on the signal receiving side.

CONSTITUTION: A decision data adding part 6 is provided between a signal transmitting side 1 and a transmission line, and a receiving side block is composed of a signal receiving side 2 and an added data deciding part 7. The added data deciding part 7 receives a transfer data signal

successively
inputted from the transmission line, examines the decision data
positioned at
the head of the signal, inhibits the transmission of a transfer
control signal
3 to the signal receiving side 2 in a period until the examination
completes,
and respectively transmits the transfer control signal 3 as an actual
transfer
control signal 9 and the above-mentioned transmission data signal 4
to follow
the decision data as an actual transmission data signal 10 to the
signal
receiving side 2 after the completion of the examination when no
error exist.

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